

ABSTRACT

An ink jet printhead has a body of PZT bonded to a base plate. Channels cut in the PZT form ink chambers which are actuated by applying voltages to electrodes on surfaces of the chambers. The base plate also carries IC's which contain the drive circuitry for actuating the ink chambers. To ensure reliable electrical interconnection between the chamber electrodes and the IC's, the electrodes and conducting tracks on the base plate are formed in a single step by depositing a conductive layer over both the PZT body and the base plate. The necessary pattern of electrodes and tracks can be achieved by masking or by selective material of conductive material.